AdNovum

IAM – Identity and Access Management

Today, companies are increasingly involved in complex value chains and need to both integrate and offer a variety of information systems. As a result, the lines between service providers and users and among competitors are blurring. Companies therefore need to implement flexible and efficient business processes focused on the electronic exchange of data and information. Such processes require reliable identity and access management solutions.

Why do we need IAM?

Secure user access plays a key role in the exchange of data and information. In addition, electronic data is becoming ever more valuable for most companies. Access protection must therefore meet increasingly strict requirements – an issue that is often solved by introducing strong authentication. Modern IAM solutions allow to administer users and their access rights flexibly and effectively, enabling multiple ways of cooperation. Also, IAM is a prerequisite for the use of cloud services, as such services may involve outsourcing of data, which in turn means that data handling and access has to be clearly defined and monitored.

At the same time, companies are facing the challenge of having to work with various forms of IAM data provided by historically grown systems. To be able to meet current security requirements and react quickly if required, they need to identify and consolidate such data sources and define a data lifecycle.

In general, IAM tasks can be divided into three levels, as illustrated in the diagram on the right. The governance level defines the regulatory framework and the compliance and review procedures. The management level allows administration of identities, rights and authorization tokens. The execution level

ensures information review as well as synchronization at runtime.

Governance Layer
- Governance
- Policy
- Risk Management
- Compliance

Management Layer
- Identity Management
- Management of Access Control
- Claim Management
- Credential Management

Execution Layer
- Authentication
- Access Control
- Claim Aggregation
- Provisioning

IAM Challenges

The IAM challenges companies are facing today have one thing in common: addressing them requires the most diverse competences. AdNovum IT Consulting can support you in answering demanding questions such as:

- How can I grant internal and external users, customers and suppliers access to my data?
- How can I implement access to data in a secure and traceable manner?
- How can I meet regulatory requirements?
- Is my current solution secure?
- How do I use Cloud services in a secure and reliable way?

- How can I correlate and evaluate existing user accounts?
- How can I introduce or optimize role-based access control?
- How can I best provide secure multi-channel services for customers?
- Which processes must be established or adapted to meet new requirements?
- Which products and solutions meet my requirements?

Solutions

Our in-depth experience in security engineering, software engineering and IT consulting coupled with AdNovum's implementation expertise allows us to cover the whole range of requirements: from situation and gap analysis, feasibility and preliminary studies to planning and implementation of a specific solution. Depending on your needs, you can choose the individual modules at your own discretion:

Identity management concepts
- Lifecycle and data management concepts
- Provisioning and authorization concepts
- Role-based authorization concepts

Access management concepts
- Federation concepts (e.g. using SAML)
- Concepts for strong authentication
- Single sign-on concepts
- Integration of existing applications into central access management
- Concepts for the use of existing directories

Analysis
- Potential and market analyses
- Feasibility studies, requirements analyses, status analyses
- Gap/migration analyses
- Product evaluation and integration

Assessments
- Security assessments and reviews

Role mining and engineering
- Concepts and procedures
- Analysis and consolidation of existing authorization data
- Development of role candidates
- Update of existing roles

General concepts
- IT security concepts
- Network zone concepts
- Decommitment or extension concepts
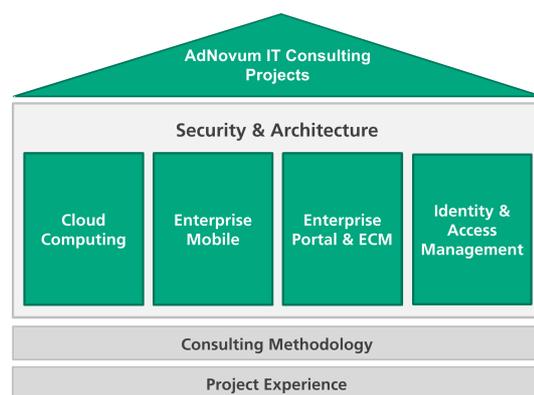- Integration concepts for cloud solutions
- Definition of roadmaps

Governance, risk and compliance
- Alignment with regulatory requirements
- GRC implementation concepts
- Risk management concepts

IT Consulting: an AdNovum core competency

AdNovum shares its know-how with its customers through top-quality IT consulting. Our experienced consultants have an in-depth understanding of state-of-the-art technology, its production capability and innovation potential. Our consulting services go beyond technical aspects. We follow an integrated approach based on interdisciplinary competence and place great emphasis on providing product- and vendor-neutral consulting.

Focus areas of AdNovum's IT Consulting are Cloud Computing, Enterprise Mobile, Enterprise Portals & ECM and Identity & Access Management.

AdNovum IT Consulting Projects

Security & Architecture

Cloud Computing | Enterprise Mobile | Enterprise Portal & ECM | Identity & Access Management

Consulting Methodology

Project Experience

AdNovum Informatik AG
Peter Gassmann, Head of IT Consulting
Roentgenstrasse 22, 8005 Zurich
Phone +41 44 272 61 11
E-mail: peter.gassmann@adnovum.ch